

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	14	(US-20020060976-\$ or US-20050281169-\$ or US-20050058027-\$ or US-20040032815-\$ or US-20020012313-\$ or US-20040184386-\$ or US-20030227859-\$ or US-20010008513-\$ or US-20050224693-\$ or US-20030185136-\$).did. or (US-6950384-\$ or US-6819646-\$ or US-6898168-\$ or US-5048000-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/15 09:07
L14	12446	chromatic near2 aberration	US-PGPUB; USPAT	OR	ON	2007/10/15 09:07
L15	10	L14 and L13	US-PGPUB; USPAT	OR	ON	2007/10/15 09:08
L16	1	(US-20020012313-\$).did.	US-PGPUB	OR	ON	2007/10/15 10:26
L17	1	L16 and (objective same plastic)	US-PGPUB	OR	ON	2007/10/15 10:26
L18	17	((ICHIRO) near2 (MORISHITA)).INV.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L19	502	369/112.24.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L20	58	((KIYONO) near2 (IKENAKA)).INV.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L21	72	((YUICHI) near2 (ATARASHI)).INV.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L22	223137	(third or three) near2 ((substrate or layer or thickness) or (protective near2 (substrate or layer)))	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L23	114	L21 or L20	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L24	34	L22 and L23	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L26	48089	objective near2 (lens or element)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L27	55075	((coupling or collimat\$3 or (beam near2 expand\$3)) near2 lens) or (beam near2 expand\$3)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L28	52317	(third or three) near2 ((light near2 (source or beam)) or laser or beam)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L29	3491	L28 and L27 and L26	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L30	351	369/112.02.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L31	143	L29 and (L30 or L19)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L36	64211	(third or three) near2 (((light near2 (source or beam)) or laser or beam) or (wavelength or (wave near2 length)))	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52

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L37	30	L36 and L22 and (L30 or L19)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L39	64	L28 and L23	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L41	209	L36 and (L30 or L19)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L42	11437	L28 and L27	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L43	1326	L28 same L22	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L44	193	L43 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L45	8	L43 and (L30 or L19)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L46	95025	(multi\$4 or plural\$4) near2 ((light near2 (source or beam)) or laser or beam)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L47	398938	(cd or (compact near2 (disk or disc)))	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L48	27	(L30 or L19) and (L28 and L22)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L49	29	L46 and L22 and (L30 or L19)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L51	129403	(dvd or (digital near2 versatile near2 (disk or disc)))	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L52	49072	"BD" or "HDVDV" or "HD DVD" or "blu-ray" or ((high near2 density) near2 (disk or disc or DVD or (digital near2 versatile near2 (disc or disk))))	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L53	2527	L47 with L51 with L52	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L54	93	L53 and (L30 or L19)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L55	773	L28 same L27 same L26	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L56	47	L55 and (L30 or L19)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L57	179	L41 not L37	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L59	1	10/799641	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L61	1180	L53 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L62	256	(L30 or L19) and (L28 or L22)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L63	5	("2002/0012313").URPN.	USPAT	OR	ON	2007/10/15 10:52
L68	176	L46 and (L30 or L19)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52

## EAST Search History

L69	12446	chromatic near2 aberration	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L71	14719	spherical near2 aberration	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L72	121	"condensing lens" near2 parallel	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L73	13	L72 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L74	502	369/112.24.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L75	351	369/112.02.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L76	232	"objective lens" with glass with plastic	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L77	17	L76 and (L75 or L74)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L78	123	L76 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L79	106	L78 not L77	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L80	370	("spherical aberration" near2 correct\$3) near2 "objective lens"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L81	282	L80 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L82	127	"objective lens" near5 (refractive near2 surface)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L83	64	L82 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L84	22	("chromatic aberration" near2 correct\$3) near3 "beam expander"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L85	16	L84 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L86	425	("spherical aberration" near2 correct\$3) near3 "objective lens"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L87	318	L86 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L88	52	L80 and (L75 or L74)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L89	425	("spherical aberration" near2 correct\$3) near3 "objective lens"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L90	318	L89 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L91	351	369/112.02.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L92	168	("spherical aberration" near2 correct\$3) near3 "liquid crystal"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52

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L93	147	L92 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L94	66	("spherical aberration" near2 correct\$3) near3 "beam expander"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L95	502	369/112.24.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L96	41	("spherical aberration" near2 correct\$3) near3 "movable"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L97	56	L92 and (L91 or L95)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L98	55	L94 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L99	171	"0.6" adj "mm" with (((("HD" or (high near2 density))) near2 ("DVD" or (digital near2 versatile near2 (disk or disc))))))	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L100	134	L99 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L101	30	L96 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L102	260	((third or three) near2 ((light near2 (source or beam)) or laser or beam)) near3 (attach\$3)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L103	9	L102 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L104	1722	((third or three) near2 ((light near2 (source or beam)) or laser or beam)) near3 (base or support\$3 or mount\$3)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L105	10	"6747938" "6345034"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L106	26	(finite adj divergent) near2 (light or flux or beam)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L107	77	L104 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L108	5	L99 and (L91 or L95)	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L109	6	"6819646"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L110	17	(finite adj divergent) near2 light near2 flux	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52
L111	32480	"0.6" adj "mm"	US-PGPUB; USPAT	OR	ON	2007/10/15 10:52